



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jay D. White et al.

Examiner:

Serial No.: 10/827,040

Group Art Unit: 3617

Filed: April 19, 2004

Date: November 17, 2004

For: **TIRE INFLATION SYSTEM APPARATUS AND METHOD**

**CERTIFICATE OF MAILING**

Sir:

The undersigned hereby certifies that the attached Information Disclosure Statement was mailed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, with sufficient first-class postage, no special handling, on **November 17, 2004**, before 5:00 p.m., thereby ensuring that such document(s) will be in the hands of the U.S. Postal Service by the close of business this day.

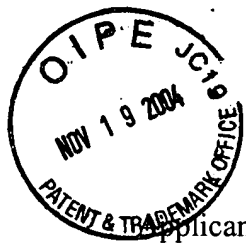
No fee is deemed necessary; however, should a fee be required, the Director is hereby authorized to charge any fees which might be required, or credit any overpayment, to Account No. 50-0983.

Respectfully submitted,

BUCKINGHAM, DOOLITTLE & BURROUGHS, LLP

By: David P. Dureska, Registration No. 34,152  
Edward T. Kennedy, Registration No. 48,478

4518 Fulton Drive, N.W.  
P. O. Box 35548  
Canton, OH 44735-5548  
Telephone: (330) 491-5289  
Facsimile: (330) 252-5454  
E-Mail: Ddureska@bdblawn.com  
Attorney Docket No.: HEND-BC-REG-CIP (45007-281)  
Enclosures: Information Disclosure Statement  
Two PTO/SB/08A Forms  
1 copy of each cited reference  
Return postcard



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jay D. White et al.

Examiner:

Serial No.: 10/827,040

Group Art Unit: 3617

Filed: April 19, 2004

Date: November 17, 2004

For: **TIRE INFLATION SYSTEM APPARATUS AND METHOD**

**INFORMATION DISCLOSURE STATEMENT**

Sir:

This invention relates to a tire inflation system includes an air supply source in selective fluid communication with a tire via a pneumatic conduit. A method of inflating the system includes providing a tire pressure retention valve in the pneumatic conduit adjacent to the tire. An inflation pressure of the tire is determined with a step-up procedure, in which air bursts are communicated from the air supply source to a portion of the pneumatic conduit between the air supply source and the tire pressure retention valve. The volume of at least one selected communicated air burst is related to a volume of a section of the conduit. The tire is inflated with an extended-pulse procedure, in which extended bursts of air are communicated from the air supply source to the tire. A shut-down sequence is performed once a predetermined target inflation pressure in the tire is reached.

As authorized and encouraged under 37 C.F.R. §1.197-1.99, Applicants hereby cite as a means of complying with the duty of disclosure set forth in 37 C.F.R. §1.56, the following patents and/or documents, copies enclosed, which the Examiner should consider with respect to the above-identified United States Patent Application.

U.S. PATENT DOCUMENTS		
U.S. Patent No.	Date	Inventor/Owner
3,691,524	09-12-1972	Frost et al.
4,498,515	02-12-1985	Holtzhauser et al.
4,619,303	10-28-1986	Bryan et al.
4,640,331	02-03-1987	Braun et al.
4,724,879	02-16-1988	Schultz et al.
4,860,579	08-29-1989	Beverly
4,883,106	11-28-1989	Schultz et al.
4,898,216	02-06-1990	Schultz et al.
4,924,926	05-15-1990	Schultz et al.
5,121,774	06-16-1992	Hicks et al.
5,179,981	01-19-1993	Hicks et al.
5,180,456	01-19-1993	Schultz et al.

U.S. PATENT DOCUMENTS		
U.S. Patent No.	Date	Inventor/Owner
5,244,027	09-14-1993	Freigang
5,253,687	10-19-1993	Beverly et al.
5,273,064	12-28-1993	Beverly et al.
5,313,995	05-24-1994	Schultz
5,516,379	05-14-1996	Schultz
5,524,481	06-11-1996	Claussen et al.
6,182,727	02-06-2001	Beesley
6,246,317	06-12-2001	Pickornik et al.
6,283,186	09-04-2001	Krisher
6,325,123	12-04-2001	Gao et al.
6,561,017	05-13-2003	Claussen et al.
6,604,414	08-12-2003	Claussen et al.
6,666,078	12-23-2003	Claussen et al.
FOREIGN PATENT DOCUMENTS		
EP0343990A2	11-29-1989	Eaton Corp.

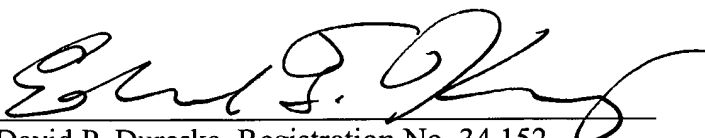
A copy of the patents and publications are included for the express purpose of providing the Patent and Trademark Office with an ample opportunity to evaluate the same and to arrive at an independent assessment of its materiality, if any, with regard to the examination of the application.

In reviewing the enclosed copies of the above publications, the Examiner is requested to ignore any underscoring or highlighting which may appear because such markings may or may not have any relationship to the subject matter of the above-identified application. The copy being submitted with the Information Disclosure Statement is the best copy available at this time.

An examination of the present application considering the above documents is requested.

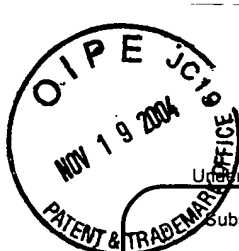
Respectfully submitted,

BUCKINGHAM, DOOLITTLE & BURROUGHS, LLP

  
 By: David P. Dureska, Registration No. 34,152  
 Edward T. Kennedy, Registration No. 48,478

4518 Fulton Drive, N.W.  
 P.O. Box 35548  
 Canton, OH 44735-5548  
 Telephone: (330) 491-5289  
 Facsimile: (330) 252-5454  
 E-Mail: ddureska@bdblaw.com  
 Attorney Docket No: HEND-BC-REG-CIP (45007-281)

«CT2:428197\_1»



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/827,040
Filing Date	April 19, 2004
First Named Inventor	WHITE
Art Unit	3617
Examiner Name	
Attorney Docket Number	HEND-BC-REG-CIP

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,691,524	09-12-1972	Frost et al.	entire document
		US- 4,498,515	02-12-1985	Holtzhauser et al.	entire document
		US- 4,619,303	10-28-1986	Bryan et al.	entire document
		US- 4,640,331	02-03-1987	Braun et al.	entire document
		US- 4,724,879	02-16-1988	Schultz et al.	entire document
		US- 4,860,579	08-29-1989	Beverly	entire document
		US- 4,883,106	11-28-1989	Schultz et al.	entire document
		US- 4,898,216	02-06-1990	Schultz et al.	entire document
		US- 4,924,926	05-15-1990	Schultz et al.	entire document
		US- 5,121,774	06-16-1992	Hicks et al.	entire document
		US- 5,179,981	01-19-1993	Hicks et al.	entire document
		US- 5,180,456	01-19-1993	Schultz et al.	entire document
		US- 5,244,027	09-14-1993	Freigang	entire document
		US- 5,253,687	10-19-1993	Beverly et al.	entire document
		US- 5,273,064	12-28-1993	Beverly et al.	entire document
		US- 5,313,995	05-24-1994	Schultz	entire document
		US- 5,516,379	05-14-1996	Schultz	entire document
		US- 5,524,481	06-11-1996	Claussen et al.	entire document
		US- 6,182,727	02-06-2001	Beesley	entire document

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP0343990A2	11-29-1989	Eaton Corp.	entire document	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	10/827,040
Filing Date	April 19, 2004
First Named Inventor	WHITE
Art Unit	3617
Examiner Name	
Attorney Docket Number	HEND-BC-REG-CIP

Sheet	2	of	2
-------	---	----	---

[illegible][illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*